Organizers

1 Somalee Datta, PhD
Stanford University
somalee@stanford.edu
@somaleedatta

2 Frank Austin Nothaft
UC Berkeley
fnothaft@berkeley.edu
@fnothaft

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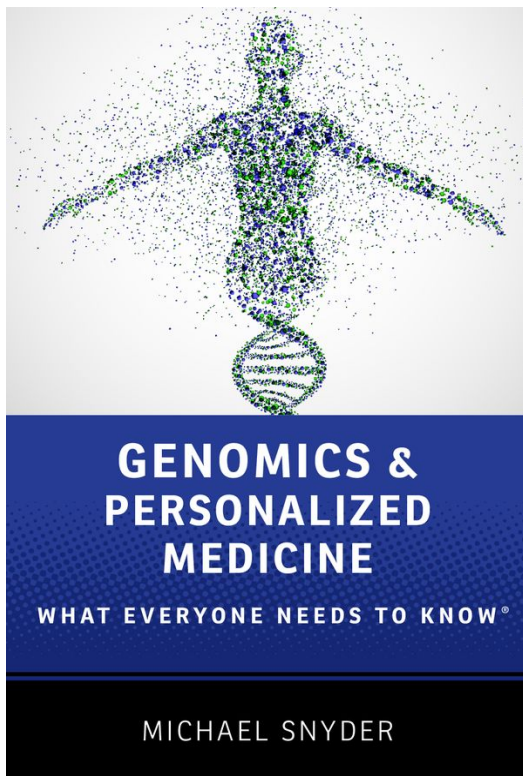
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department of GENETICS

Important information for attendees:

- ♦ Wi-fi: Stanford Visitor
- ♦ Twitter hashtag: #GaPP
- ♦ Restroom / lactation room: lower level of Encina Hall
- ♦ Speaker bios: http://stan.md/1OKc8fv
- ♦ Detailed agenda: http://stan.md/1Pl8BV8

Genomics & Patient Privacy

March 11, 2016
Bechtel Conference Center
Encina Hall, Stanford University

Genomics research has started to change the "one-size-fits-all" approach to standard of care in medicine. For example, pharcogenomics looks into the use of specific drug dose depending on genetic makeup such as common blood-thinning drug warfarin, antiviral drug abacavir, and breast cancer drug trastuzumab among others. Several types of genetic testing are now routinely available to a patient including prenatal, newborn screening, diagnostic and carrier testing. With cost of genetic sequencing reducing, large data silos are building up rapidly at academic centers, and hospitals. Genome data, like other biometrics such as fingerprints and iris scans, is personally identifiable information. Studies have shown that de-identified genomics data (i.e., everything except genomic data removed), when combined with other public data sources (e.g., birth and death records, social websites), can result in risk of patient re-identification. This risk is a strong deterrent in data sharing. In order to solve the mystery behind serious diseases, we will need to bring insights from various silos together. Let us join hands and work towards new methods to share insights across these data silos while preserving patient privacy.

GENOMICS & PERSONALIZED MEDICINE

WHAT EVERYONE NEEDS TO KNOW®

MICHAEL SNYDER

Limited number of books given away: Book signing during breakfast and breaks!

Menu

Breakfast	• Muffins and scones • Fresh fruits • Beverages
Coffee	• House made almond granola • Protein packed yogurt • Beverages
Lunch	• Salad • Roasted vegetables • Stuffed portabello • Grilled chicken • Beverages
Coffee	• Trail mix • Whole fruits • Beverages
Reception	• Bruschetta platter • Tandoori chicken skewers • Keftedes meatballs • Beverages

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7:30 – 8:30: Breakfast & registration

8:30 – 9:00: Keynote by Michael Snyder

9:00 – 10:30: Current Practice and future opportunities in patient privacy

♦ Jean-Pierre H., EPFL
♦ Bradley M., Vanderbilt
♦ Dave M., Intertrust

Moderator: Carl Gunter, University of Illinois

10:30 – 11:00: Coffee break

11:00 – 12:00: Current Practice and future opportunities in patient privacy (cont)

♦ Carl G., Illinois
♦ Robert S., PrivateAccess

Moderator: XiaoFeng Wang, Indiana University at Bloomington

12:00 – 1:00: Lunch break

1:00 – 2:00: How do privacy concerns complicate genomic studies ?

♦ Philip T., VA Palo Alto
♦ Nathaniel P., NY Genome Center
♦ Sasha Z., Curoverse
♦ Devin L., Seven Bridges Genomics
♦ Michael S., Stanford

Moderator: Frank Nothaft, UC Berkeley

2:00 – 3:30: Computational techniques in enhancing privacy

♦ Cynthia D., Microsoft
♦ Kristin L., Microsoft
♦ XiaoFeng W., Indiana

Moderator: Bradley Malin, Vanderbilt University

3:30 – 4:00: Coffee break

4:00 – 5:00: How do we cross the theoretician / practitioner divide?

♦ Brad M., Vanderbilt
♦ Dave M., Intertrust
♦ Kristin L., Microsoft
♦ XiaoFeng W., Indiana
♦ Suyash S., Stanford
♦ Narges A., Bina
♦ Robert S., Private Access

Moderator: Frank Nothaft, UC Berkeley

5:00 – 6:00: Opportunities in genomic data management and privacy considerations

♦ Andro H., Syapse
♦ Todd F., Stanford
♦ Jonathan S., Curoverse
♦ Ramon F., Ingenuity
♦ Sanjay J., EMC
♦ James W., Google
♦ John S., Illumina
♦ Scott B., Helix

Moderator: Ursheet Parikh, Mayfield

6:00 – 7:00: Reception